SGCN and Habitat Stressors

Level 1 Threat **Agriculture and Aquaculture**

Level 2 Threat: **Marine and Freshwater Aquaculture**

Description: Aquatic animals raised in one location on farmed or non-local resources; also hatchery fish allowed to roam in the wild

Species Associated With This Stressor:

Total SGCN: 1: 1 2: 3:

Class ***Actinopterygii*** **(Ray-finned Fishes)** **SGCN Category**

Species: ***Salmo salar*** (Atlantic Salmon) **1**

Severity: Severe **Actionability:** Highly actionable

Notes: The Marine Aquaculture of Atlantic salmon impacts; escapees reproducing with wild stock, disease transfer. Likelihood is high and increasing. Spatial extent is coastal Maine.

Habitats Associated With This Stressor:

Macrogroup Intertidal Mollusc Reefs

Habitat System Name: **Gastropod Reef**

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Habitat System Name: **Mussel Reef**

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Habitat System Name: **Oyster Reef**

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Macrogroup Intertidal Mudflat

Habitat System Name: **Freshwater Tidal Marsh**

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Habitat System Name: **Non-Vascular Mudflat**

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Habitat System Name: **Submerged Aquatic Vegetation**

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Macrogroup Intertidal Water Column

Habitat System Name: **Confined Channel**

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Habitat System Name: **Embayment**

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

SGCN and Habitat Stressors

Level 1 Threat Agriculture and Aquaculture

Level 2 Threat: Marine and Freshwater Aquaculture

Macrogroup Intertidal Water Column

Habitat System Name: Exposed Shore

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Macrogroup Rocky Coast

Habitat System Name: Acadian-North Atlantic Rocky Coast

Notes: May disturb habitat and animal behavior

Habitat System Name: North Atlantic Cobble Shore

Notes: May disturb habitat and animal behavior

Macrogroup Subtidal Pelagic (Water Column)

Habitat System Name: Confined Channel

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Habitat System Name: Nearshore

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Habitat System Name: Offshore

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

Habitat System Name: Upwelling Zones

Notes: Most effects from finfish aquaculture have been successfully mitigated through the establishment of industry standards that have resulted in drastically reduced algal growth and improved water quality. Activities that use similar species (propgated oysters, mussels) may introduce disease and non-native species.

SGCN and Habitat Stressors

Level 1 Threat Agriculture and Aquaculture

Level 2 Threat: Marine and Freshwater Aquaculture

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.